

1985

## Nebraska Mineral Operations Review, 1984

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# **NEBRASKA MINERAL OPERATIONS REVIEW, 1984**

**R. R. Burchett and D. A. Eversoll**



**May 1985**

**Nebraska Geological Survey  
Conservation and Survey Division  
Institute of Agriculture and Natural Resources  
The University of Nebraska—Lincoln**



A total of 3,349 quarries, pits, and mines have been active at various times over approximately the last 85 years in Nebraska (table 1). Of this number, 365 were limestone quarries; 2,805 sand, gravel, and silt pits; 24 clay or shale pits; 92 sandstone pits; 11 quartzite pits; 29 volcanic ash pits; 14 coal mines; 1 chalk mine; 3 flint quarries; and 5 peat pits. These operations have disturbed about 39,685 acres, of which approximately 50 percent have been reclaimed.

During 1984, there were 29 limestone quarries; 636 sand, gravel, and silt or siltstone pits; 6 clay or shale pits; and 18 sandstone pits active in Nebraska (table 2). These 689 active mining operations disturbed 433 acres and restored 574 acres during the year. The locations of these quarries, pits, and mines are shown in figure 1.

The Nebraska Oil and Gas Conservation Commission reports that 2,077 wells produced 6,469,701 barrels of oil and 1.9 billion cubic feet of casinghead gas. Approximately 0.4 billion cubic feet of dry gas was produced from 23 wells and 7 gas wells were shut-in during 1984. Locations of the oil and gas fields are shown in figure 2. Of the 405 drilling permits issued by the commission during the year, 235 were for exploration and 170 for development. The largest number of exploration and development wells completed occurred in Hitchcock County, followed by Kimball, Banner, Cheyenne, Dundy, and Red Willow counties.

Current information collected by the Conservation and Survey Division (Nebraska Geological Survey), the U.S. Department of Agriculture (Soil Conservation Service), and the Nebraska Department of Roads (Materials Division) has been compiled and placed on open file at the office of the Conservation and Survey Division, 113 Nebraska Hall, 901 North 17th Street, Lincoln, Nebraska 68588-0517.



TABLE 1 - CUMULATIVE SUMMARY OF NEBRASKA QUARRIES, PITS AND MINES  
January 1, 1985

| COUNTY    | No. of Sites |       | Estim. Acres |       | No. of Sites |       | Limestone of Acres |       | No. of Sites |       | Sand, Gravel of Acres |       | No. of Sites |       | Clay, Shale of Acres |       | No. of Sites |       | Sandstone of Acres |       | No. of Sites |       | Quartzite of Acres |       | No. of Sites |       | Misc. Acres |       |
|-----------|--------------|-------|--------------|-------|--------------|-------|--------------------|-------|--------------|-------|-----------------------|-------|--------------|-------|----------------------|-------|--------------|-------|--------------------|-------|--------------|-------|--------------------|-------|--------------|-------|-------------|-------|
|           | Mined        | Recl. | Mined        | Recl. | Mined        | Recl. | Mined              | Recl. | Mined        | Recl. | Mined                 | Recl. | Mined        | Recl. | Mined                | Recl. | Mined        | Recl. | Mined              | Recl. | Mined        | Recl. | Mined              | Recl. | Mined        | Recl. | Mined       | Recl. |
| ADAMS     | 16           | 158   | 96           | 96    | 0            | 0     | 0                  | 0     | 16           | 158   | 96                    | 96    | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| ANTELOPE  | 25           | 308   | 106          | 106   | 0            | 0     | 0                  | 0     | 25           | 308   | 106                   | 106   | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| BANNER    | 22           | 102   | 25           | 25    | 0            | 0     | 0                  | 0     | 22           | 102   | 25                    | 25    | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| BLAINE    | 7            | 27    | 15           | 15    | 0            | 0     | 0                  | 0     | 7            | 27    | 15                    | 15    | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| BUDNE     | 8            | 98    | 90           | 90    | 0            | 0     | 0                  | 0     | 8            | 98    | 90                    | 90    | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| BOX BUTTE | 8            | 119   | 18           | 18    | 0            | 0     | 0                  | 0     | 1            | 80    | 0                     | 0     | 0            | 0     | 0                    | 0     | 7            | 39    | 18                 | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| BOYD      | 18           | 54    | 11           | 11    | 0            | 0     | 0                  | 0     | 18           | 54    | 11                    | 11    | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| BROWN     | 40           | 278   | 151          | 151   | 0            | 0     | 0                  | 0     | 39           | 276   | 151                   | 151   | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| BUFFALO   | 123          | 1925  | 1711         | 1711  | 0            | 0     | 0                  | 0     | 123          | 1925  | 1711                  | 1711  | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| BURT      | 17           | 48    | 32           | 32    | 0            | 0     | 0                  | 0     | 15           | 42    | 32                    | 32    | 1            | 4     | 0                    | 1     | 2            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| BUTLER    | 24           | 498   | 368          | 368   | 0            | 0     | 0                  | 0     | 24           | 498   | 368                   | 368   | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| CASS      | 202          | 3246  | 800          | 800   | 154          | 2342  | 323                | 30    | 869          | 477   | 8                     | 25    | 0            | 10    | 10                   | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| CEDAR     | 82           | 344   | 277          | 277   | 2            | 5     | 1                  | 80    | 339          | 276   | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| CHASE     | 37           | 218   | 129          | 129   | 0            | 0     | 0                  | 32    | 199          | 110   | 0                     | 0     | 0            | 5     | 19                   | 19    | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| CHERRY    | 18           | 49    | 9            | 9     | 0            | 0     | 0                  | 14    | 40           | 9     | 0                     | 0     | 0            | 1     | 7                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| CHEYENNE  | 56           | 561   | 293          | 293   | 0            | 0     | 0                  | 56    | 561          | 293   | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| CLAY      | 9            | 173   | 75           | 75    | 0            | 0     | 0                  | 9     | 173          | 75    | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| COLFAX    | 27           | 550   | 417          | 417   | 0            | 0     | 0                  | 27    | 550          | 417   | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| CUMING    | 15           | 608   | 372          | 372   | 0            | 0     | 0                  | 15    | 608          | 372   | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| CUSTER    | 19           | 287   | 69           | 69    | 0            | 0     | 0                  | 16    | 280          | 69    | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| DAKOTA    | 28           | 319   | 179          | 179   | 6            | 8     | 0                  | 21    | 309          | 177   | 0                     | 0     | 0            | 1     | 2                    | 2     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| DAMES     | 31           | 114   | 27           | 27    | 0            | 0     | 0                  | 31    | 114          | 27    | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| DAWSON    | 109          | 1683  | 1053         | 1053  | 0            | 0     | 0                  | 109   | 1683         | 1053  | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| DEUEL     | 34           | 283   | 115          | 115   | 0            | 0     | 0                  | 34    | 283          | 115   | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| DIXON     | 21           | 105   | 12           | 12    | 5            | 30    | 6                  | 16    | 75           | 6     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| DODGE     | 42           | 2104  | 1746         | 1746  | 0            | 0     | 0                  | 42    | 2104         | 1746  | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |



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January 1, 1985

| COUNTY    | No.<br>of<br>Sites | Estim.<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Limestone<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Sand, Gravel<br>Acres<br>Mined | No.<br>of<br>Sites | Clay, Shale<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Sandstone<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Quartzite<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Misc.<br>Acres<br>Mined |
|-----------|--------------------|--------------------------|-------|--------------------|-----------------------------|-------|--------------------|--------------------------------|--------------------|-------------------------------|-------|--------------------|-----------------------------|-------|--------------------|-----------------------------|-------|--------------------|-------------------------|
| DODGE     | 35                 | 1502                     | 629   | 0                  | 0                           | 0     | 35                 | 1502                           | 629                | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| DUNDY     | 63                 | 209                      | 158   | 0                  | 0                           | 0     | 61                 | 208                            | 157                | 0                             | 0     | 2                  | 1                           | 1     | 0                  | 0                           | 0     | 0                  | 0                       |
| FILLMORE  | 8                  | 155                      | 146   | 0                  | 0                           | 0     | 8                  | 155                            | 146                | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| FRANKLIN  | 31                 | 371                      | 92    | 0                  | 0                           | 0     | 27                 | 304                            | 92                 | 0                             | 0     | 0                  | 0                           | 0     | 4                  | 67                          | 0     | 0                  | 0                       |
| FRONTIER  | 8                  | 62                       | 26    | 0                  | 0                           | 0     | 4                  | 24                             | 17                 | 0                             | 0     | 0                  | 0                           | 0     | 3                  | 34                          | 5     | 1                  | 4                       |
| FURNAS    | 35                 | 260                      | 84    | 5                  | 23                          | 0     | 27                 | 235                            | 84                 | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 3                  | 2                       |
| GAGE      | 78                 | 769                      | 304   | 15                 | 131                         | 33    | 57                 | 622                            | 270                | 1                             | 2     | 2                  | 2                           | 1     | 0                  | 0                           | 0     | 3                  | 12                      |
| GARDEN    | 43                 | 83                       | 30    | 0                  | 0                           | 0     | 43                 | 83                             | 30                 | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| GARFIELD  | 6                  | 44                       | 42    | 0                  | 0                           | 0     | 6                  | 44                             | 42                 | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| GOSPER    | 12                 | 137                      | 133   | 0                  | 0                           | 0     | 11                 | 134                            | 133                | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 1                  | 3                       |
| GREELEY   | 11                 | 21                       | 11    | 0                  | 0                           | 0     | 10                 | 19                             | 9                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 1                  | 2                       |
| HALL      | 146                | 2024                     | 1167  | 0                  | 0                           | 0     | 146                | 2024                           | 1167               | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| HAMILTON  | 31                 | 284                      | 155   | 0                  | 0                           | 0     | 31                 | 284                            | 155                | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| HARLAN    | 12                 | 177                      | 125   | 0                  | 0                           | 0     | 10                 | 151                            | 99                 | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 2                  | 26                      |
| HAYES     | 12                 | 109                      | 72    | 0                  | 0                           | 0     | 12                 | 109                            | 72                 | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| HITCHCOCK | 31                 | 210                      | 112   | 0                  | 0                           | 0     | 30                 | 208                            | 110                | 0                             | 0     | 1                  | 2                           | 2     | 0                  | 0                           | 0     | 0                  | 0                       |
| HOLT      | 88                 | 676                      | 194   | 0                  | 0                           | 0     | 86                 | 667                            | 190                | 0                             | 0     | 2                  | 9                           | 4     | 0                  | 0                           | 0     | 0                  | 0                       |
| HOOVER    | 9                  | 60                       | 48    | 0                  | 0                           | 0     | 9                  | 60                             | 48                 | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| HOWARD    | 18                 | 201                      | 93    | 0                  | 0                           | 0     | 18                 | 201                            | 93                 | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| JEFFERSON | 48                 | 406                      | 158   | 11                 | 57                          | 0     | 32                 | 313                            | 133                | 4                             | 35    | 25                 | 0                           | 0     | 0                  | 0                           | 0     | 1                  | 1                       |
| JOHNSON   | 13                 | 31                       | 19    | 2                  | 12                          | 4     | 10                 | 19                             | 15                 | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 1                  | 0                       |
| KEARNEY   | 16                 | 259                      | 198   | 0                  | 0                           | 0     | 16                 | 259                            | 198                | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| KEITH     | 65                 | 968                      | 579   | 0                  | 0                           | 0     | 65                 | 968                            | 579                | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| KEYA PAHA | 66                 | 170                      | 80    | 0                  | 0                           | 0     | 38                 | 98                             | 49                 | 0                             | 0     | 26                 | 72                          | 31    | 0                  | 0                           | 0     | 2                  | 0                       |
| KIMBALL   | 51                 | 306                      | 155   | 0                  | 0                           | 0     | 51                 | 306                            | 155                | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| KNOX      | 39                 | 567                      | 262   | 0                  | 0                           | 0     | 39                 | 567                            | 262                | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |

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January 1, 1985

| COUNTY      | No. of Sites |       | Estim. Acres |       | Limestone of Acres |       | Sand, Gravel of Acres |       | Clay, Shale of Acres |       | Sandstone of Acres |       | Quartzite of Acres |       | Misc. Acres |       |       |       |   |
|-------------|--------------|-------|--------------|-------|--------------------|-------|-----------------------|-------|----------------------|-------|--------------------|-------|--------------------|-------|-------------|-------|-------|-------|---|
|             | Sites        | Mined | Recl.        | Sites | Mined              | Recl. | Sites                 | Mined | Recl.                | Sites | Mined              | Recl. | Sites              | Mined | Recl.       | Sites | Mined | Recl. |   |
| LANCASTER   | 62           | 418   | 198          | 11    | 224                | 96    | 35                    | 115   | 77                   | 4     | 49                 | 3     | 12                 | 30    | 22          | 0     | 0     | 0     | 0 |
| LINCOLN     | 133          | 1767  | 1112         | 0     | 0                  | 0     | 123                   | 1742  | 1112                 | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 10    | 25    | 0 |
| LOGAN       | 2            | 3     | 0            | 0     | 0                  | 0     | 2                     | 3     | 0                    | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| LOUP        | 18           | 99    | 79           | 0     | 0                  | 0     | 18                    | 99    | 79                   | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| MADISON     | 25           | 902   | 269          | 0     | 0                  | 0     | 24                    | 902   | 269                  | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 1     | 0     | 0 |
| MCPHERSON   | 2            | 15    | 0            | 0     | 0                  | 0     | 2                     | 15    | 0                    | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| MERRICK     | 60           | 685   | 475          | 0     | 0                  | 0     | 60                    | 685   | 475                  | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| MORRILL     | 87           | 466   | 149          | 0     | 0                  | 0     | 76                    | 452   | 147                  | 0     | 0                  | 0     | 11                 | 14    | 2           | 0     | 0     | 0     | 0 |
| NANCE       | 14           | 200   | 94           | 0     | 0                  | 0     | 14                    | 200   | 94                   | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| NEMAHA      | 73           | 624   | 142          | 60    | 581                | 108   | 12                    | 43    | 34                   | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 1     | 0     | 0 |
| NUCKOLLS    | 30           | 238   | 60           | 2     | 8                  | 0     | 27                    | 229   | 60                   | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 1     | 1     | 0 |
| OTOE        | 30           | 160   | 92           | 11    | 86                 | 31    | 13                    | 55    | 54                   | 2     | 19                 | 7     | 0                  | 0     | 0           | 0     | 4     | 0     | 0 |
| PAWNEE      | 33           | 164   | 127          | 14    | 109                | 88    | 14                    | 44    | 39                   | 1     | 8                  | 0     | 0                  | 0     | 0           | 0     | 4     | 3     | 0 |
| PERKINS     | 21           | 105   | 33           | 0     | 0                  | 0     | 21                    | 105   | 33                   | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| PHELPS      | 11           | 123   | 54           | 0     | 0                  | 0     | 11                    | 123   | 54                   | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| PIERCE      | 15           | 345   | 103          | 0     | 0                  | 0     | 15                    | 345   | 103                  | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| PLATTE      | 37           | 1347  | 826          | 0     | 0                  | 0     | 37                    | 1347  | 826                  | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| POLK        | 18           | 435   | 355          | 0     | 0                  | 0     | 18                    | 435   | 355                  | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| RED WILLOW  | 40           | 635   | 499          | 1     | 2                  | 2     | 35                    | 629   | 493                  | 0     | 0                  | 0     | 0                  | 0     | 0           | 4     | 0     | 0     | 0 |
| RICHARDSON  | 58           | 444   | 197          | 26    | 235                | 68    | 27                    | 206   | 129                  | 1     | 2                  | 0     | 0                  | 0     | 0           | 0     | 4     | 1     | 0 |
| ROCK        | 22           | 108   | 70           | 0     | 0                  | 0     | 22                    | 108   | 70                   | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| SALINE      | 31           | 280   | 79           | 3     | 14                 | 0     | 28                    | 266   | 79                   | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| SARPY       | 55           | 1329  | 900          | 18    | 302                | 70    | 31                    | 1017  | 830                  | 2     | 3                  | 0     | 4                  | 7     | 0           | 0     | 0     | 0     | 0 |
| SAUNDERS    | 73           | 1280  | 774          | 1     | 123                | 49    | 69                    | 1152  | 725                  | 0     | 0                  | 0     | 2                  | 2     | 0           | 0     | 1     | 3     | 0 |
| SCOTTSBLUFF | 128          | 678   | 385          | 0     | 0                  | 0     | 128                   | 678   | 385                  | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |
| SEWARD      | 18           | 69    | 20           | 4     | 29                 | 4     | 14                    | 40    | 16                   | 0     | 0                  | 0     | 0                  | 0     | 0           | 0     | 0     | 0     | 0 |



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| COUNTY     | No.<br>of<br>Sites | Estim.<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Limestone<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Sand, Gravel<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Clay, Shale<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Sandstone<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Quartzite<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Misc.<br>Acres<br>Mined | Recl. |
|------------|--------------------|--------------------------|-------|--------------------|-----------------------------|-------|--------------------|--------------------------------|-------|--------------------|-------------------------------|-------|--------------------|-----------------------------|-------|--------------------|-----------------------------|-------|--------------------|-------------------------|-------|
| SHERIDAN   | 28                 | 69                       | 10    | 0                  | 0                           | 0     | 23                 | 56                             | 10    | 0                  | 0                             | 0     | 5                  | 13                          | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| SHERMAN    | 9                  | 8                        | 5     | 0                  | 0                           | 0     | 9                  | 8                              | 5     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| SIOUX      | 17                 | 38                       | 12    | 0                  | 0                           | 0     | 17                 | 38                             | 12    | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| STANTON    | 13                 | 305                      | 189   | 0                  | 0                           | 0     | 13                 | 305                            | 189   | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| THAYER     | 51                 | 553                      | 132   | 3                  | 23                          | 0     | 47                 | 529                            | 132   | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 1                  | 1                       | 0     |
| THOMAS     | 20                 | 252                      | 146   | 0                  | 0                           | 0     | 20                 | 252                            | 146   | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| THURSTON   | 21                 | 43                       | 14    | 2                  | 7                           | 0     | 18                 | 36                             | 14    | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 1                  | 0                       | 0     |
| VALLEY     | 15                 | 186                      | 106   | 0                  | 0                           | 0     | 13                 | 183                            | 105   | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 2                  | 3                       | 1     |
| WASHINGTON | 8                  | 151                      | 61    | 3                  | 143                         | 54    | 5                  | 8                              | 7     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| WAYNE      | 2                  | 4                        | 4     | 0                  | 0                           | 0     | 2                  | 4                              | 4     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| WEBSTER    | 22                 | 297                      | 30    | 6                  | 7                           | 0     | 16                 | 290                            | 30    | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| WHEELER    | 2                  | 12                       | 12    | 0                  | 0                           | 0     | 2                  | 12                             | 12    | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| YORK       | 32                 | 528                      | 371   | 0                  | 0                           | 0     | 32                 | 528                            | 371   | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| TOTALS*    | 3349               | 39685                    | 21452 | 365                | 4501                        | 937   | 2805               | 34603                          | 20336 | 24                 | 147                           | 35    | 92                 | 231                         | 102   | 11                 | 105                         | 9     | 52                 | 98                      | 33    |

\*Acreage totals are approximate because of rounding.



TABLE 2 - SUMMARY OF ACTIVE NEBRASKA QUARRIES, PITTS, AND MINES  
January 1, 1985

| COUNTY    | No.<br>of<br>Sites | Estim.<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Limestone<br>Acres<br>Mined | No.<br>of<br>Sites | Sand, Gravel<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Clay, Shale<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Sandstone<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Quartzite<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Misc.<br>Acres<br>Mined |
|-----------|--------------------|--------------------------|-------|--------------------|-----------------------------|--------------------|--------------------------------|-------|--------------------|-------------------------------|-------|--------------------|-----------------------------|-------|--------------------|-----------------------------|-------|--------------------|-------------------------|
| ADAMS     | 2                  | 1                        | 0     | 0                  | 0                           | 0                  | 1                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| ANTELOPE  | 4                  | 2                        | 0     | 0                  | 0                           | 0                  | 2                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| BANNER    | 13                 | 0                        | 0     | 0                  | 0                           | 13                 | 0                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| BLAINE    | 2                  | 0                        | 0     | 0                  | 0                           | 0                  | 0                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| BOX BUTTE | 3                  | 1                        | 0     | 0                  | 0                           | 0                  | 0                              | 0     | 0                  | 0                             | 0     | 3                  | 1                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| BOYD      | 6                  | 0                        | 0     | 0                  | 0                           | 0                  | 0                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| BROWN     | 16                 | 0                        | 0     | 0                  | 0                           | 16                 | 0                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| BUFFALO   | 16                 | 16                       | 0     | 0                  | 0                           | 16                 | 16                             | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| BURT      | 3                  | 0                        | 0     | 0                  | 0                           | 0                  | 0                              | 0     | 0                  | 0                             | 0     | 1                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| BUTLER    | 7                  | 4                        | 0     | 0                  | 0                           | 0                  | 4                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| CASS      | 18                 | 27                       | 4     | 10                 | 7                           | 4                  | 20                             | 0     | 1                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| CEDAR     | 6                  | 6                        | 2     | 0                  | 0                           | 0                  | 6                              | 2     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| CHASE     | 11                 | 0                        | 0     | 0                  | 0                           | 0                  | 11                             | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| CHERRY    | 6                  | 2                        | 0     | 0                  | 0                           | 0                  | 2                              | 0     | 0                  | 0                             | 0     | 1                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| CHEYENNE  | 25                 | 5                        | 0     | 0                  | 0                           | 0                  | 5                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| CLAY      | 5                  | 2                        | 14    | 0                  | 0                           | 0                  | 2                              | 14    | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| CULFAX    | 4                  | 14                       | 0     | 0                  | 0                           | 0                  | 14                             | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| CUMING    | 3                  | 20                       | 17    | 0                  | 0                           | 0                  | 20                             | 17    | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| CUSTER    | 4                  | 8                        | 2     | 0                  | 0                           | 0                  | 8                              | 2     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| DAKOTA    | 2                  | 1                        | 0     | 0                  | 0                           | 0                  | 1                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| JAMES     | 12                 | 0                        | 0     | 0                  | 0                           | 0                  | 0                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| DAWSON    | 16                 | 12                       | 0     | 0                  | 0                           | 0                  | 12                             | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| DEUEL     | 18                 | 5                        | 0     | 0                  | 0                           | 0                  | 5                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| DIXON     | 3                  | 4                        | 1     | 1                  | 1                           | 1                  | 3                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| DODGE     | 6                  | 27                       | 2     | 0                  | 0                           | 0                  | 27                             | 2     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |
| DOUGLAS   | 10                 | 14                       | 0     | 0                  | 0                           | 0                  | 14                             | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       |

TABLE 2 - SUMMARY OF ACTIVE NEBRASKA QUARRIES, PITTS, AND MINES  
January 1, 1985

| COUNTY    | No. of Sites |       | Estim. Acres |       | No. of Sites |       | Limestone of Acres |       | No. of Sites |       | Sand, Gravel of Acres |       | No. of Sites |       | Clay, Shale of Acres |       | No. of Sites |       | Sandstone of Acres |       | No. of Sites |       | Quartzite of Acres |       | No. of Sites |       | Misc. Acres |       |
|-----------|--------------|-------|--------------|-------|--------------|-------|--------------------|-------|--------------|-------|-----------------------|-------|--------------|-------|----------------------|-------|--------------|-------|--------------------|-------|--------------|-------|--------------------|-------|--------------|-------|-------------|-------|
|           | Mined        | Recl. | Mined        | Recl. | Mined        | Recl. | Mined              | Recl. | Mined        | Recl. | Mined                 | Recl. | Mined        | Recl. | Mined                | Recl. | Mined        | Recl. | Mined              | Recl. | Mined        | Recl. | Mined              | Recl. | Mined        | Recl. | Mined       | Recl. |
| DUNDY     | 32           | 0     | 0            | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                     | 0     | 31           | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 1            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| FILLMORE  | 2            | 1     | 0            | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 1                     | 0     | 2            | 1     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| FRANKLIN  | 4            | 2     | 0            | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 2                     | 0     | 4            | 2     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| FRONTIER  | 1            | 0     | 0            | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 1                     | 0     | 1            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| FURNAS    | 2            | 3     | 0            | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 2                     | 3     | 0            | 3     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| GAGE      | 18           | 18    | 2            | 0     | 3            | 0     | 0                  | 0     | 15           | 18    | 2                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| GARDEN    | 15           | 1     | 0            | 0     | 0            | 0     | 0                  | 0     | 15           | 1     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| GARFIELD  | 1            | 1     | 0            | 0     | 0            | 0     | 0                  | 0     | 1            | 1     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| GOSPER    | 2            | 1     | 0            | 0     | 0            | 0     | 0                  | 0     | 2            | 1     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| GREELEY   | 1            | 0     | 0            | 0     | 0            | 0     | 0                  | 0     | 1            | 0     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| HALL      | 16           | 46    | 0            | 0     | 0            | 0     | 0                  | 0     | 16           | 46    | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| HAMILTON  | 2            | 6     | 0            | 0     | 0            | 0     | 0                  | 0     | 2            | 6     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| HARLAN    | 3            | 0     | 0            | 0     | 0            | 0     | 0                  | 0     | 3            | 0     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| HAYES     | 3            | 11    | 0            | 0     | 0            | 0     | 0                  | 0     | 3            | 11    | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| HITCHCOCK | 9            | 4     | 2            | 0     | 0            | 0     | 0                  | 0     | 9            | 4     | 2                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| HOLT      | 31           | 0     | 0            | 0     | 0            | 0     | 0                  | 0     | 30           | 0     | 0                     | 0     | 0            | 0     | 0                    | 0     | 1            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| HOWARD    | 4            | 18    | 0            | 0     | 0            | 0     | 0                  | 0     | 4            | 18    | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| JEFFERSON | 11           | 13    | 10           | 0     | 0            | 0     | 0                  | 0     | 9            | 12    | 9                     | 2     | 1            | 1     | 1                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| JOHNSON   | 3            | 0     | 0            | 0     | 0            | 0     | 0                  | 0     | 3            | 0     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| KEARNEY   | 3            | 3     | 0            | 0     | 0            | 0     | 0                  | 0     | 3            | 3     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| KEITH     | 9            | 1     | 0            | 0     | 0            | 0     | 0                  | 0     | 9            | 1     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| KEYA PAHA | 15           | 0     | 0            | 0     | 0            | 0     | 0                  | 0     | 11           | 0     | 0                     | 0     | 0            | 0     | 0                    | 0     | 4            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| KIMBALL   | 23           | 8     | 0            | 0     | 0            | 0     | 0                  | 0     | 23           | 8     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| KNOX      | 15           | 0     | 2            | 0     | 0            | 0     | 0                  | 0     | 15           | 0     | 2                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| LANCASTER | 12           | 0     | 0            | 0     | 2            | 0     | 0                  | 0     | 6            | 0     | 0                     | 2     | 0            | 0     | 0                    | 0     | 2            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |
| LINCOLN   | 17           | 9     | 0            | 0     | 0            | 0     | 0                  | 0     | 17           | 9     | 0                     | 0     | 0            | 0     | 0                    | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0                  | 0     | 0            | 0     | 0           | 0     |



TABLE 2 - SUMMARY OF ACTIVE NEBRASKA QUARRIES, PITS, AND MINES  
January 1, 1985

| COUNTY      | No.<br>of<br>Sites | Estim.<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Limestone<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Sand, Gravel<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Clay, Shale<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Sandstone<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Quartzite<br>Acres<br>Mined | Recl. | No.<br>of<br>Sites | Misc.<br>Acres<br>Mined | Recl. |
|-------------|--------------------|--------------------------|-------|--------------------|-----------------------------|-------|--------------------|--------------------------------|-------|--------------------|-------------------------------|-------|--------------------|-----------------------------|-------|--------------------|-----------------------------|-------|--------------------|-------------------------|-------|
|             |                    |                          |       |                    |                             |       |                    |                                |       |                    |                               |       |                    |                             |       |                    |                             |       |                    |                         |       |
| LOUP        | 5                  | 1                        | 0     | 0                  | 0                           | 0     | 5                  | 1                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| MADISON     | 8                  | 35                       | 11    | 0                  | 0                           | 0     | 8                  | 35                             | 11    | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| MERRICK     | 9                  | 32                       | 0     | 0                  | 0                           | 0     | 9                  | 32                             | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| MURRILL     | 51                 | 4                        | 0     | 0                  | 0                           | 0     | 45                 | 4                              | 0     | 0                  | 0                             | 0     | 6                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| NANCE       | 5                  | 2                        | 0     | 0                  | 0                           | 0     | 5                  | 2                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| NEMHA       | 3                  | 2                        | 2     | 0                  | 0                           | 0     | 3                  | 2                              | 2     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| NUCKOLLS    | 8                  | 2                        | 1     | 2                  | 0                           | 0     | 6                  | 2                              | 1     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| PANEE       | 3                  | 2                        | 3     | 2                  | 2                           | 3     | 1                  | 0                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| PERKINS     | 10                 | 5                        | 0     | 0                  | 0                           | 0     | 10                 | 5                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| PHELPS      | 6                  | 1                        | 0     | 0                  | 0                           | 0     | 6                  | 1                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| PIERCE      | 2                  | 0                        | 0     | 0                  | 0                           | 0     | 2                  | 0                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| PLATE       | 10                 | 41                       | 0     | 0                  | 0                           | 0     | 10                 | 41                             | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| POLK        | 2                  | 1                        | 2     | 0                  | 0                           | 0     | 2                  | 1                              | 2     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| RED WILLOW  | 11                 | 3                        | 7     | 0                  | 0                           | 0     | 11                 | 3                              | 7     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| RICHARDSON  | 6                  | 1                        | 0     | 0                  | 0                           | 0     | 6                  | 1                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| ROCK        | 7                  | 0                        | 0     | 0                  | 0                           | 0     | 7                  | 0                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| SALINE      | 5                  | 3                        | 0     | 0                  | 0                           | 0     | 5                  | 3                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| SARPY       | 7                  | 7                        | 5     | 2                  | 5                           | 5     | 4                  | 2                              | 0     | 1                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| SAUNDERS    | 10                 | 24                       | 3     | 1                  | 3                           | 3     | 9                  | 21                             | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| SCOTT BLUFF | 9                  | 9                        | 9     | 0                  | 0                           | 0     | 9                  | 9                              | 9     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| SEWARD      | 3                  | 5                        | 3     | 2                  | 2                           | 0     | 1                  | 3                              | 3     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| SHERIDAN    | 12                 | 1                        | 0     | 0                  | 0                           | 0     | 11                 | 0                              | 0     | 0                  | 0                             | 0     | 1                  | 1                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| SHERMAN     | 2                  | 2                        | 0     | 0                  | 0                           | 0     | 2                  | 2                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| SIoux       | 4                  | 0                        | 0     | 0                  | 0                           | 0     | 4                  | 0                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| STANTON     | 4                  | 2                        | 0     | 0                  | 0                           | 0     | 4                  | 2                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |
| THAYER      | 8                  | 9                        | 0     | 0                  | 0                           | 0     | 8                  | 9                              | 0     | 0                  | 0                             | 0     | 0                  | 0                           | 0     | 0                  | 0                           | 0     | 0                  | 0                       | 0     |



TABLE 2 - SUMMARY OF ACTIVE NEBRASKA QUARRIES, PITS, AND MINES  
January 1, 1985

| COUNTY         | No.<br>of<br>Sites | Estim.<br>Acres<br>Mined | No.<br>of<br>Sites | Limestone<br>Acres<br>Mined | No.<br>of<br>Sites | Sand, Gravel<br>Acres<br>Mined | No.<br>of<br>Sites | Clay, Shale<br>Acres<br>Mined | No.<br>of<br>Sites | Sandstone<br>Acres<br>Mined | No.<br>of<br>Sites | Quartzite<br>Acres<br>Mined | No.<br>of<br>Sites | Misc.<br>Acres<br>Mined |
|----------------|--------------------|--------------------------|--------------------|-----------------------------|--------------------|--------------------------------|--------------------|-------------------------------|--------------------|-----------------------------|--------------------|-----------------------------|--------------------|-------------------------|
|                |                    |                          |                    |                             |                    |                                |                    |                               |                    |                             |                    |                             |                    |                         |
| THOMAS         | 5                  | 1                        | 0                  | 0                           | 0                  | 1                              | 0                  | 0                             | 0                  | 0                           | 0                  | 0                           | 0                  | 0                       |
| THURSTON       | 2                  | 0                        | 0                  | 0                           | 0                  | 0                              | 0                  | 0                             | 0                  | 0                           | 0                  | 0                           | 0                  | 0                       |
| VALLEY         | 2                  | 5                        | 0                  | 0                           | 0                  | 5                              | 0                  | 0                             | 0                  | 0                           | 0                  | 0                           | 0                  | 0                       |
| WASHINGTON     | 2                  | 3                        | 2                  | 3                           | 2                  | 0                              | 0                  | 0                             | 0                  | 0                           | 0                  | 0                           | 0                  | 0                       |
| WEBSTER        | 6                  | 2                        | 0                  | 0                           | 0                  | 2                              | 0                  | 0                             | 0                  | 0                           | 0                  | 0                           | 0                  | 0                       |
| YORK           | 5                  | 16                       | 15                 | 0                           | 0                  | 16                             | 15                 | 0                             | 0                  | 0                           | 0                  | 0                           | 0                  | 0                       |
| <b>TOTALS*</b> | <b>707</b>         | <b>538</b>               | <b>121</b>         | <b>29</b>                   | <b>23</b>          | <b>18</b>                      | <b>102</b>         | <b>6</b>                      | <b>1</b>           | <b>2</b>                    | <b>0</b>           | <b>0</b>                    | <b>0</b>           | <b>0</b>                |

\*Acreage totals are approximate because of rounding.

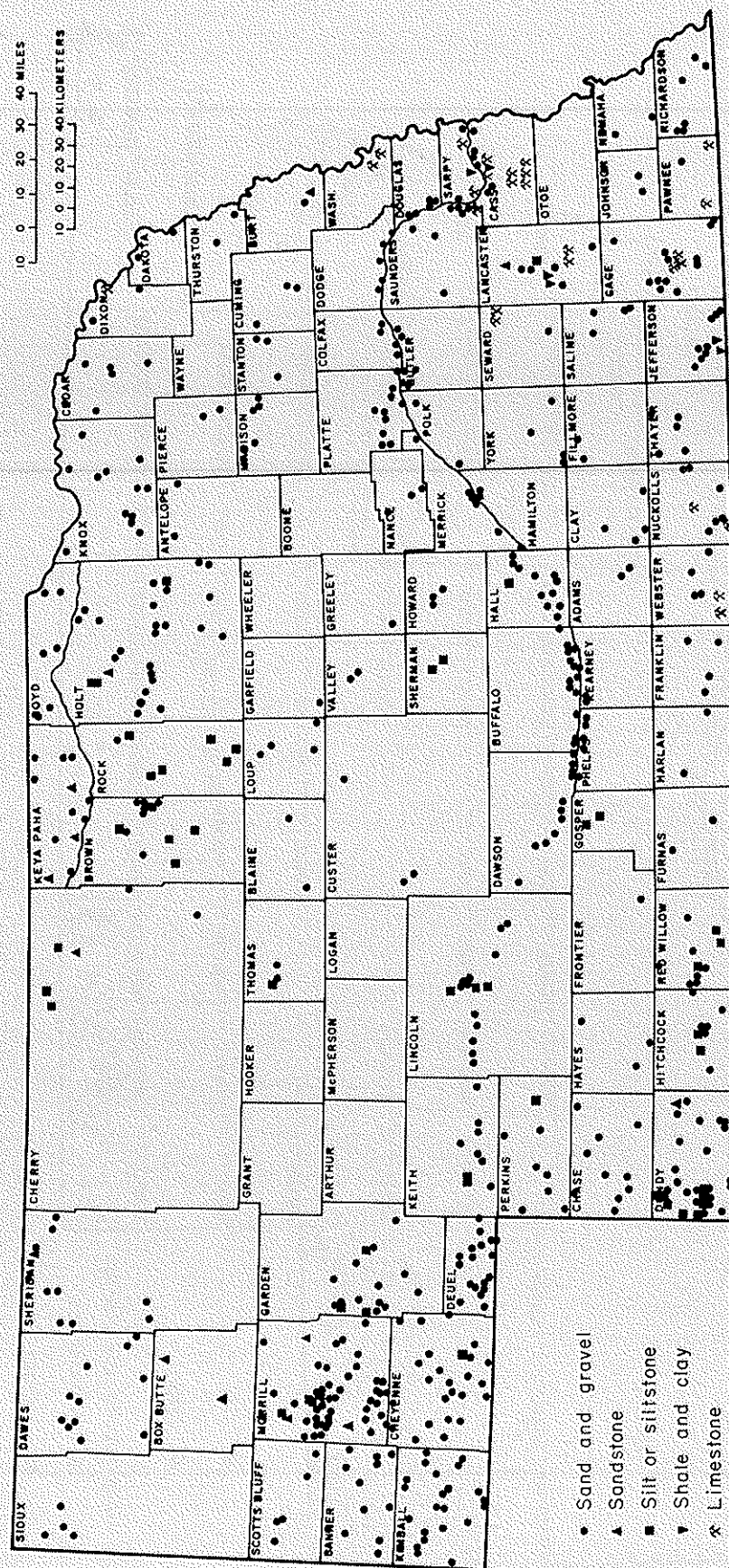


Fig. 1. Location of active quarries, pits, and mines in Nebraska, 1984



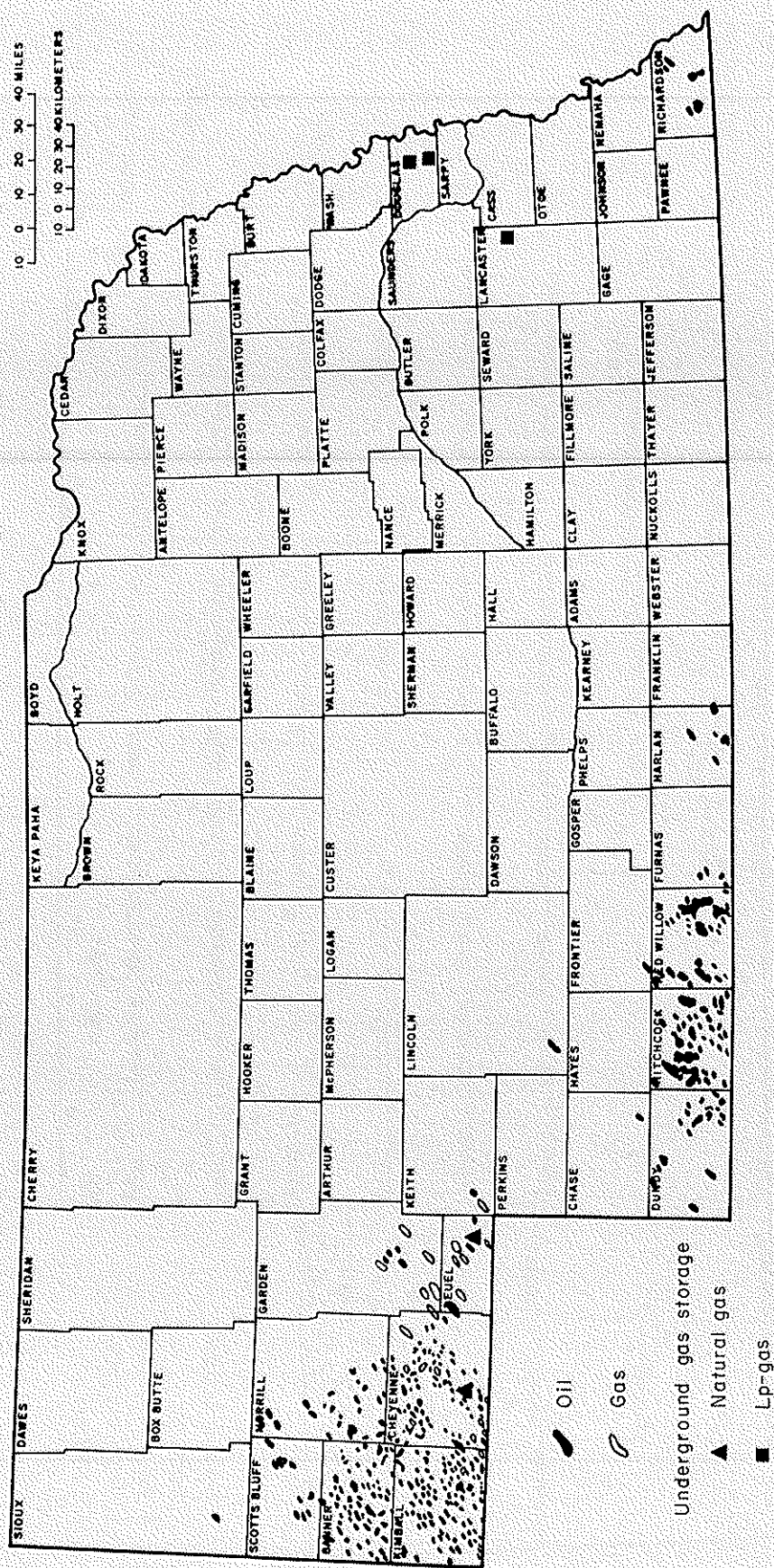


Fig. 2. Location of active oil and gas fields in Nebraska, 1984



## Role of Minerals in State Economy

Few Nebraskans live a single day without using raw mineral products or materials manufactured from, processed by, fertilized with, or in some other way affected by minerals or mineral products. Unlike some natural resources, minerals are not renewable.

The value of mineral production in Nebraska during 1984 was \$291.0 million (figure 3). About 1,700 people are employed by the mining industry in Nebraska, the greater number working in the counties with the largest mineral production value. The 1984 mineral production of Nebraska, as reported by the U.S. Bureau of Mines and the Nebraska Oil and Gas Conservation Commission, follows:

Table 3. Preliminary data on mineral production<sup>1</sup> in Nebraska during 1984

|  | 1984                |                               |
|--|---------------------|-------------------------------|
|  | Quantity            | Value,<br>thousand<br>dollars |
| Clays . . . . . thousand short tons . .  | 192 <sup>P</sup>    | 1,681 <sup>P</sup>            |
| Lime. . . . . do . . . . .   | 18 <sup>P</sup>     | 954 <sup>P</sup>              |
| Sand and gravel:   |                     |                               |
| Construction. . . . . do . . . . .   | 10,100 <sup>P</sup> | 25,500 <sup>P</sup>           |
| Industrial. . . . . do . . . . .   | W                   | W                             |
| Stone (crushed) . . . . . do . . . . .   | 5,400 <sup>P</sup>  | 28,000 <sup>P</sup>           |
| Combined value of cement, gem stones, and<br>values indicated by symbol W. . . . . | XX                  | 46,225 <sup>P</sup>           |
| Natural gas . . . . . million cubic feet . .                                       | 2,300               | 5,153                         |
| Petroleum . . . . . thousand 42-gallon barrels                                     | 6,470               | 183,571                       |
| Total. . . . .   | XX                  | \$291,084 <sup>P</sup>        |

<sup>P</sup>Preliminary. XX Not applicable.

<sup>1</sup>Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

W Withheld to avoid disclosing company proprietary data; value included with "Combined value" figure.

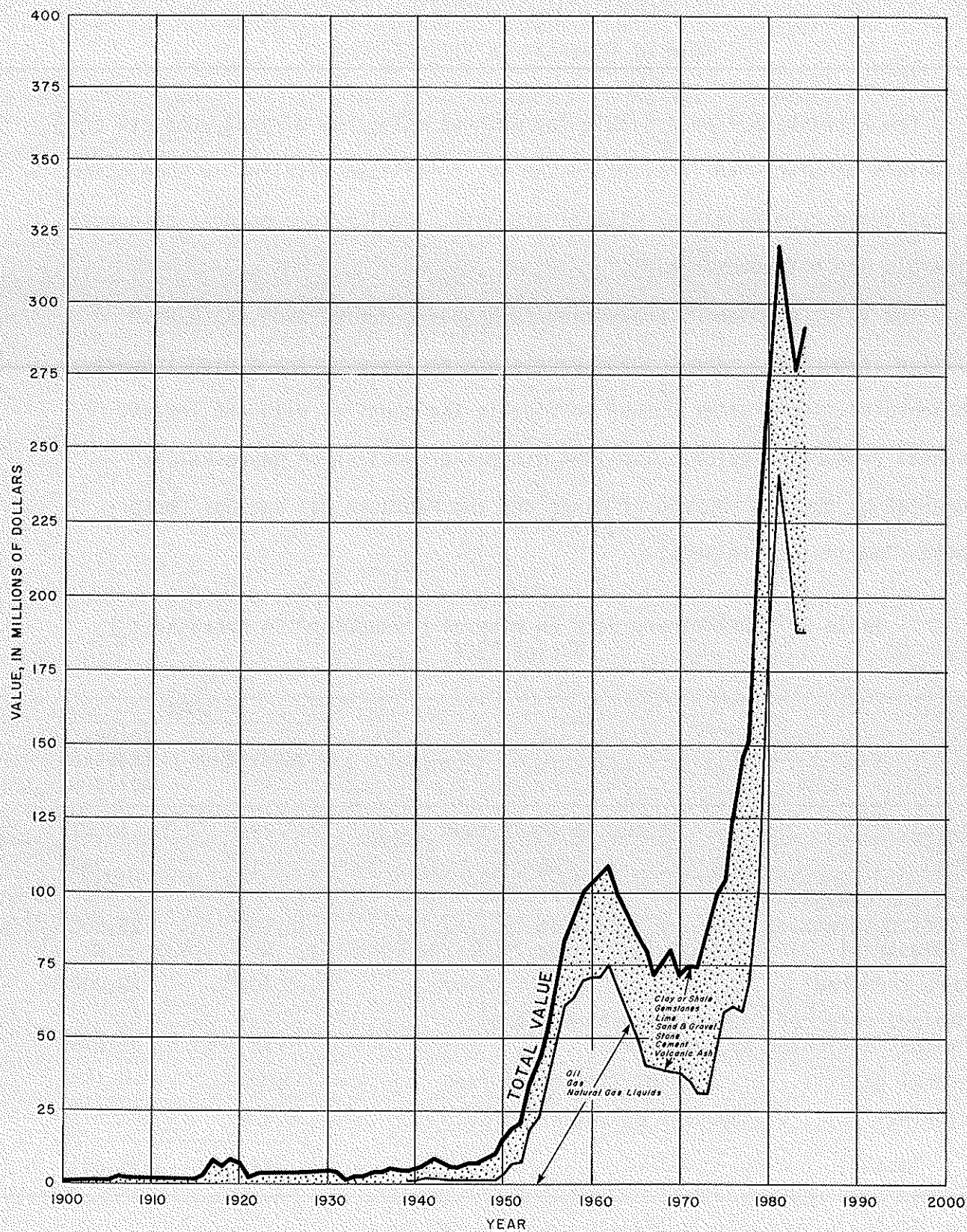


Fig. 3. Value of mineral production in Nebraska



## Mineral Resource Industries

Industrial plants manufacturing products from mineral resources are scattered throughout Nebraska. These plants, whose locations are shown in figure 4, are discussed below:

Agricultural Lime Plants. Three firms produce agricultural lime exclusively. They are located near Garland in Seward County, near Nelson in Nuckolls County, and one near Ponca in Dixon County. Most crushed limestone plants, largely in southeast Nebraska, produce some agricultural lime.

Brick Plants. Three firms produce brick in Nebraska: Endicott Clay Products Company near Endicott in Jefferson County; Yankee Hill Brick Manufacturing Company near Lincoln in Lancaster County; and Omaha Brick Works near Ralston in Douglas County. Common and face brick are the main products of these plants.

Cement Plants. Cement is produced by Ash Grove Cement Company near Louisville in Cass County and Ideal Cement Company near Superior in Nuckolls County. Limestone, shale, and gypsum are the chief raw materials used in cement manufacture.

Concrete Products Plants. Many plants across the state produce concrete products such as block, brick, precast and prestressed slabs and construction beams, tile, pipe, vaults, septic tanks, steps, feed bunks, and bunker silos.

Crushed Limestone Plants. There are approximately 17 limestone plants in the eastern third of Nebraska. Principal producers are Fort Calhoun Stone Company, Kerford Limestone Company, and Martin Marietta Aggregates. Cass and Washington counties are the leaders in production. Crushed limestone is used for aggregate in concrete, cement manufacture, road base, riprap, agricultural lime, wallstone, and mineral fillers.



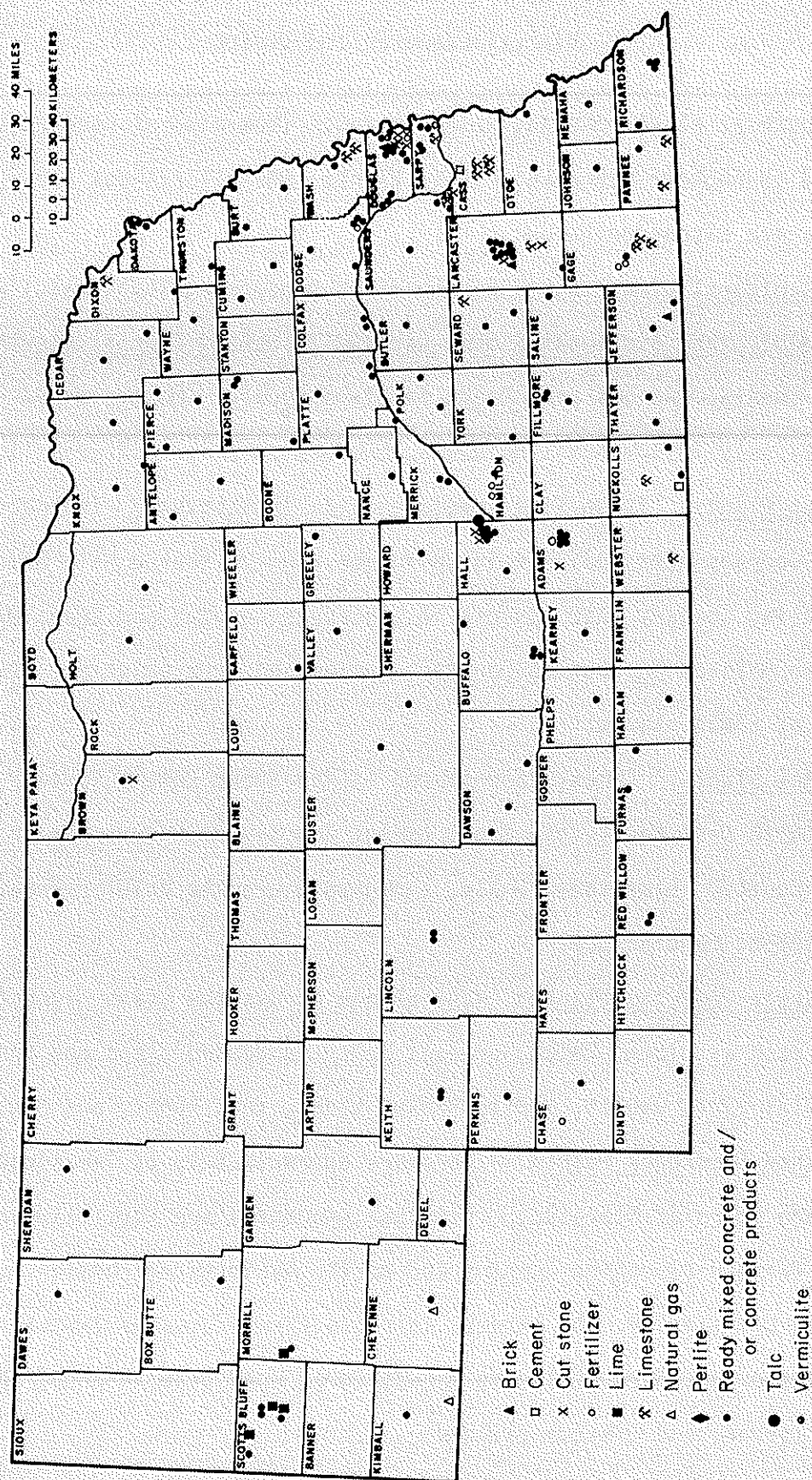


Fig. 4. Location of mineral-resource processing plants in Nebraska, 1984

Cut-Stone Plants. Stone imported from other states is cut by Nebraska firms. Two of these firms are near Grand Island in Hall County, two near Lincoln in Lancaster County, one is near Juniata in Adams County, one near Ainsworth in Brown County, and seven are near Omaha in Douglas County.

Fertilizer Plants. Some of the larger producers of ammonia, urea, and ammonium nitrate include Allied Chemical Company at La Platte in Sarpy County; CF Industries, Inc., at Fremont in Dodge County; and Phillips Chemical Company at Beatrice in Gage County. The Farmland Industries, Inc., plant at Hastings in Adams County produces ammonia. Ammonium nitrate is produced by Cominco-American, Inc., in Beatrice.

Gem and Ornamental Stone Plants. Many small firms around Nebraska cut and polish gems and ornamental stones such as agate, quartz, jasper, chalcedony, chert, and petrified wood.

Glass Plants. Several firms around the state manufacture items from glass produced in other states.

Ground Limestone Plants. Three firms in Nebraska produce finely ground limestone (calcium carbonate) for feed supplements and fillers for cement, paint, and rubber. Kerford Limestone Company and American Cyanamid Company are west of Weeping Water in Cass County, and the United Mineral Products Company is southeast of Weeping Water.

Lime Plants. Great Western Sugar Company produces lime from limestone imported from their quarry in Wyoming. Limekilns are located at Scottsbluff, Gering, and Mitchell in Scotts Bluff County, and at Bayard in Morrill County. The lime is used mainly for sugar refining.

Natural Gas Processing Plants. Two natural gas processing plants are located in Nebraska. One, south of Kimball in Kimball County, is operated by Cities Service Oil Company. The other, west of Sidney in Cheyenne County, is



operated by Marathon Oil Company. Production from these two plants includes natural gasoline, cycle products, liquid petroleum gases, and ethane.

Perlite Plants. The Zonolite Division of W. R. Grace & Company is the sole manufacturer of expanded perlite in Nebraska. Its plant near Omaha in Douglas County imports crude perlite from other states, expands it, and sells it as filler material, as aggregate for plaster and concrete, and as a horticultural product.

Ready-Mix Concrete Plants. Ready-mix concrete plants located throughout the state produce wet concrete for construction purposes. Some of these plants also manufacture cured concrete products.

Sand and Gravel Plants. All but nine of Nebraska's counties produce sand and gravel. Among the largest producers are Central Sand and Gravel Company in Butler, Madison, Pierce, and Platte counties; Hartford Sand and Gravel Company in Douglas and Dodge counties; Lyman-Richey Sand and Gravel Corporation in Cass, Dodge, Douglas, Morrill, Platte, Sarpy, and Saunders counties; and Western Sand and Gravel Company in Cass, Dodge, and Saunders counties.

Talc Plants. Cyprus Mines Corporation, United Sierra Division's plant near Grand Island in Hall County, is the only producer of ground talc in Nebraska. The unground talc is obtained from outside the state. The product is used in paper, ceramics, rubber, paint, insecticides, textiles, and toilet articles.

Underground Gas Storage Terminals. There are five underground gas storage areas in Nebraska. Two are natural gas storage areas operated by Kansas-Nebraska Natural Gas Co., Inc., and are located in Cheyenne and Deuel counties of western Nebraska. The remaining three are liquid propane gas storage areas, two of which are located in Douglas County near Omaha, and

one in Lancaster County near Lincoln. The Douglas County storage units are operated by Metropolitan Utilities District. The storage unit near Lincoln is operated by Mid-America Pipeline Company.

Vermiculite Plants. The only producer of exfoliated vermiculite is the W. R. Grace & Company, Construction Products Division, near Omaha in Douglas County. Montana is the source of crude vermiculite. The expanded product is used principally for insulation, concrete aggregate, and fire-proofing.



